09/619,049

(FILE 'HOME' ENTERED AT 13:34:48 ON 27 MAR 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 13:34:56 ON 27 MAR 2002

L1 5 S LUCIFERASE AND RENILLA AND PROTEASE
L2 5 DUP REM L1 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 13:35:56 ON 27 MAR 2002

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 13:38:31 ON 27 MAR 2002

L3 5 S LUCIFERASE AND RENILLA AND CASPASE
L4 5 DUP REM L3 (0 DUPLICATES REMOVED)
L5 14 S LUCIFERASE AND RENILLA AND CLEAV?
L6 10 DUP REM L5 (4 DUPLICATES REMOVED)

09/619,047

L2 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
AN 1998:255495 CAPLUS
DN 129:51174
TI Cleavage of cellular proteins by the HIV-1 **protease**
AU Korant, Bruce D.; Rizzo, Christopher J.; Lu, Zichun; Strack, Peter; Frey, Michelle W.
CS DuPont Merck Pharmaceutical Co., Experimental Station, Wilmington, DE, 19880-0336, USA
SO Biomed. Health Res. (1997), 13(Proteolysis in Cell Functions), 520-523
CODEN: BIHREN; ISSN: 0929-6743
PB IOS Press
DT Journal
LA English
AB Cleavage of non-viral proteins is rarely obsd. with the HIV-1 **protease** (HIV pr). One such cleavage event occurs with **Renilla luciferase**, inactivating the light-producing ability of the latter enzyme. This result can be incorporated into a rapid, sensitive and quant. assay for HIV pr activity. Another cell protein hydrolyzed by HIV pr is bcl-2, a cytoprotective protein. This cleavage event has important biol. consequences, leading to enhanced HIV replication and programmed death of the host cell. A strategy is proposed to suppress HIV with non-cleavable mutants of bcl-2.